Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/13/2019 01:52 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124255	-1	1.18	124307	1.19
Blue	F	SSC	125000	123450	-2	1.58	124249	1.55
Blue	E	FITC	16122	15751	-3	2.63	343	19.59
Blue	D	PE	29316	28881	-2	1.81	630	13.87
Blue	B	PerCP-Cy5-5	42590	42191	-1	3.56	1139	19.66
Blue	A	PE-Cy7	33146	33326	0	5.90	636	39.79
Red	C	APC	45473	44946	-2	2.39	1588	11.95
Red	A	APC-Cy7	31961	31014	-3	2.33	819	11.90
Violet	B	V450	7914	7472	-6	4.81	415	13.05
Violet	A	V500	29769	28717	-4	4.53	666	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21116	2.96	603	3	N/A	N/A	Pass
Blue	F	SSC	56123	1.09	547	9	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	1	0.0216	180	Pass
Blue	D	PE	131	49.42	540	3	0.2132	380	Pass
Blue	B	PerCP-Cy5-5	210	48.00	642	4	0.0097	52	Pass
Blue	A	PE-Cy7	119	97.59	696	5	0.0115	14	Pass
Red	C	APC	374	26.05	588	9	0.0261	265	Pass
Red	A	APC-Cy7	180	28.47	564	8	0.0056	906	Pass
Violet	B	V450	63	62.17	461	1	0.0664	2946	Pass
Violet	A	V500	100	32.95	474	2	0.0232	708	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.20	-31.94	1.02
Blue	20.33	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.65	13.60 - 20.40	N/A	N/A	29.51	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11342

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments